

Recombinant Human ribosomal protein S13, His-tagged

Cat. No. RPS13-564H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	RPS13, 1-151aa , Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	1-151 a.a.
Description	40S ribosomal protein S13, also known as RPS13, belongs to the ribosomal protein S15P family. Ribosomes, the organelles that catalyze protein synthesis, consist of a small 40S subunit and a large 60S subunit. RPS13 is located in the cytoplasm and contains multiple phosphorylated residues. Like most ribosomal proteins, Ribosomal Protein S13 exists as multiple processed pseudogenes that are scattered throughout the genome. Recombinant human RPS13 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.2M NaCl, 50% glycerol, 2mM DTT
Molecular Mass	19.6kDa (174aa) confirmed by MALDI-TOF
AA Sequence	MGSSHHHHHH SSGLVPRGSH MGSMGRMHAP GKGLSQSALP YRRSVPTWLK LTSDDVKEQI YKLAKKGLTP SQIGVILRDS HGVAQVRFVT GNKILRILKS KGLAPDLPED LYHLIKKAVA VRKHLERNRK DKDAKFRLIL IESRIHRLAR

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	YYKTKRVLPP NWKYESSTAS ALVA
Purity	>80% by SDS - PAGE
Storage	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.
Concentration	0.25 mg/ml (determined by Bradford assay)
GENE INFORMATION	
Gene Name	RPS13 ribosomal protein S13 [Homo sapiens]
Official Symbol	RPS13
Synonyms	RPS13; ribosomal protein S13; 40S ribosomal protein S13; S13;
Gene ID	6207
mRNA Refseq	NM_001017
Protein Refseq	NP_001008
MIM	180476
UniProt ID	P62277
Chromosome Location	11p
Pathway	Activation of the mRNA upon binding of the cap-binding complex and eIFs, and subsequent binding to 43S, organism-specific biosystem; Cap-dependent Translation

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Initiation, organism-specific biosystem; Cytoplasmic Ribosomal Proteins, organism-specific biosystem; Disease, organism-specific biosystem; Eukaryotic Translation Elongation, organism-specific biosystem; Eukaryotic Translation Initiation, organism-specific biosystem; Eukaryotic Translation Termination, organism-specific biosystem;

Function

mRNA binding; protein binding; structural constituent of ribosome;

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